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**RAW SEQUENCE LISTING** DATE: 01/03/2002  
**PATENT APPLICATION:** US/09/907,900 TIME: 11:35:47

DATE: 01/03/2002  
TIME: 11:35:47

Input Set : N:\CrF3\RULE60\09907900.raw.txt  
Output Set: N:\CRF3\01032002\I907900.raw

1 <110> APPLICANT: Hartley, James L.  
2 Brasch, Michael A.  
3 Temple, Gary F.  
4 FOX, Donna K.  
5 <120> TITLE OF INVENTION: Recombinational Cloning Using Nucleic Acids Having  
6 Recombination Sites  
7 <130> FILE REFERENCE: 0942.2850004  
8 <140> CURRENT APPLICATION NUMBER: 09/907,900  
9 <141> CURRENT FILING DATE: 2001-07-19  
10 <150> PRIOR APPLICATION NUMBER: 09/177,387  
11 <151> PRIOR FILING DATE: 1998-10-23  
12 <160> NUMBER OF SEQ ID NOS: 60  
13 <170> SOFTWARE: PatentIn Ver. 2.0  
14 <210> SEQ ID NO: 1  
15 <211> LENGTH: 25  
16 <212> TYPE: DNA  
17 <213> ORGANISM: Unknown  
18 <220> FEATURE:  
W--> 19 <221> NAME/KEY: OTHER  
20 <222> LOCATION: 18  
21 <223> OTHER INFORMATION: "n" may be any nucleotide  
22 <223> OTHER INFORMATION: Description of Unknown Organism: recombination  
23 products  
24  
25 <400> SEQUENCE: 1  
W--> 26 rkycwgcttt yktrtacnaa stsgb 25  
27 <210> SEQ ID NO: 2  
28 <211> LENGTH: 25  
29 <212> TYPE: DNA  
30 <213> ORGANISM: Unknown  
31 <220> FEATURE:  
W--> 32 <221> NAME/KEY: OTHER  
33 <222> LOCATION: 18  
34 <223> OTHER INFORMATION: "n" may be any nucleotide  
35 <223> OTHER INFORMATION: Description of Unknown Organism: recombination  
36 products  
37  
38 <400> SEQUENCE: 2  
W--> 39 agccwgcttt yktrtacnaa ctsgb 25  
40 <210> SEQ ID NO: 3  
41 <211> LENGTH: 25  
42 <212> TYPE: DNA  
43 <213> ORGANISM: Unknown  
44 <220> FEATURE:  
W--> 45 <221> NAME/KEY: OTHER  
46 <222> LOCATION: 18  
47 <223> OTHER INFORMATION: "n" may be any nucleotide  
48 <223> OTHER INFORMATION: Description of Unknown Organism: recombination  
49 products  
50

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Input Set : N:\Crf3\RULE60\09907900.raw.txt  
Output Set: N:\CRF3\01032002\I907900.raw

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51 <400> SEQUENCE: 3
W--> 52 gttcagcttt cktrtacnaa ctsgb 25
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 25
56 <212> TYPE: DNA
57 <213> ORGANISM: Unknown
58 <220> FEATURE:
W--> 59 <221> NAME/KEY: OTHER
60 <222> LOCATION: 18
61 <223> OTHER INFORMATION: "n" may be any nucleotide
62 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
63 products
64 <400> SEQUENCE: 4
W--> 65 agccwgcttt cktrtacnaa gtsgb 25
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 25
69 <212> TYPE: DNA
70 <213> ORGANISM: Unknown
71 <220> FEATURE:
W--> 72 <221> NAME/KEY: OTHER
73 <222> LOCATION: 18
74 <223> OTHER INFORMATION: "n" may be any nucleotide
75 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
76 products
77 <400> SEQUENCE: 5
W--> 78 gttcagcttt yktrtacnaa gtsgb 25
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 25
82 <212> TYPE: DNA
83 <213> ORGANISM: Unknown
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
86 products
87 <400> SEQUENCE: 6
88 agcctgcttt tttgtacaaa cttgt 25
90 <210> SEQ ID NO: 7
91 <211> LENGTH: 25
92 <212> TYPE: DNA
93 <213> ORGANISM: Unknown
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
96 products
97 <400> SEQUENCE: 7
98 agcctgcttt cttgtacaaa cttgt 25
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 25
102 <212> TYPE: DNA
103 <213> ORGANISM: Unknown
104 <220> FEATURE:

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105 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
106     products
107 <400> SEQUENCE: 8                               25
108     acccagcttt cttgtacaaa gtgg
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 25
112 <212> TYPE: DNA
113 <213> ORGANISM: Unknown
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
116     products
117 <400> SEQUENCE: 9                               25
118     gttcagcttt tttgtacaaa cttgt
120 <210> SEQ ID NO: 10
121 <211> LENGTH: 25
122 <212> TYPE: DNA
123 <213> ORGANISM: Unknown
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
126     products
127 <400> SEQUENCE: 10                            25
128     gtcagcttt cttgtacaaa ctgt
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 25
132 <212> TYPE: DNA
133 <213> ORGANISM: Unknown
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
136     products
137 <400> SEQUENCE: 11                            25
138     gttcagcttt cttgtacaaa gtgg
140 <210> SEQ ID NO: 12
141 <211> LENGTH: 25
142 <212> TYPE: DNA
143 <213> ORGANISM: Unknown
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
146     products
147 <400> SEQUENCE: 12                            25
148     agcctgcttt tttgtacaaa gttgg
150 <210> SEQ ID NO: 13
151 <211> LENGTH: 25
152 <212> TYPE: DNA
153 <213> ORGANISM: Unknown
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
156     products
157 <400> SEQUENCE: 13                            25
158     agcctgcttt cttgtacaaa gttgg

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DATE: 01/03/2002  
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Input Set : N:\Crf3\RULE60\09907900.raw.txt  
Output Set: N:\CRF3\01032002\I907900.raw

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160 <210> SEQ ID NO: 14
161 <211> LENGTH: 25
162 <212> TYPE: DNA
163 <213> ORGANISM: Unknown
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
166     products
167 <400> SEQUENCE: 14
168     acccagctt cttgtacaaa gttgg
170 <210> SEQ ID NO: 15
171 <211> LENGTH: 25
172 <212> TYPE: DNA
173 <213> ORGANISM: Unknown
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
176     products
177 <400> SEQUENCE: 15
178     gttcagctt tttgtacaaa gttgg
179 <210> SEQ ID NO: 16
180 <211> LENGTH: 25
182 <212> TYPE: DNA
183 <213> ORGANISM: Unknown
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
186     products
187 <400> SEQUENCE: 16
188     gttcagctt cttgtacaaa gttgg
189 <210> SEQ ID NO: 17
191 <211> LENGTH: 39
192 <212> TYPE: DNA
193 <213> ORGANISM: Unknown
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
196     products
197 <400> SEQUENCE: 17
198     ccaccacaaa cgcgccatg gaattacact ttaatttag
199 <210> SEQ ID NO: 18
201 <211> LENGTH: 39
202 <212> TYPE: DNA
203 <213> ORGANISM: Unknown
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Unknown Organism: recombination
206     products
207 <400> SEQUENCE: 18
208     ccaccacaag tcgacgcattg ccgacagctt tccaaatgt
209 <210> SEQ ID NO: 19
211 <211> LENGTH: 46
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence

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214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
216 oligonucleotide
217 <400> SEQUENCE: 19
218 gggcgattac gatatcccaa cgaccgaaaa cctgtatTTT cagggt 46
220 <210> SEQ ID NO: 20
221 <211> LENGTH: 30
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
226 oligonucleotide
227 <400> SEQUENCE: 20
228 caggTTTCG gtcgttggga tatcgtaatc 30
230 <210> SEQ ID NO: 21
231 <211> LENGTH: 47
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
236 oligonucleotide
237 <400> SEQUENCE: 21
238 ggcCAGATTCA cgatatccca acgaccgaaa acctgtatTT tcagggt 47
240 <210> SEQ ID NO: 22
241 <211> LENGTH: 31
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
246 oligonucleotide
247 <400> SEQUENCE: 22
248 caggTTTCG gtcgttggga tatcgtaatc t 31
250 <210> SEQ ID NO: 23
251 <211> LENGTH: 48
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
256 oligonucleotide
257 <400> SEQUENCE: 23
258 ggcAAGATT acgatatccc aacgaccgaa aacctgtatt ttcaGGGT 48
260 <210> SEQ ID NO: 24
261 <211> LENGTH: 32
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
266 oligonucleotide
267 <400> SEQUENCE: 24

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VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/907,900

DATE: 01/03/2002  
TIME: 11:35:48

Input Set : N:\Crf3\RULE60\09907900.raw.txt  
Output Set: N:\CRF3\01032002\I907900.raw

L:20 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:26 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:33 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:46 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3  
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:59 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4  
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:72 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5  
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5